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10/051,485

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1 Product information management in integrated product design and development systems

Ah Kat Tan; Bonollo, E.;

Control and Automation, 2002. ICCA. Final Program and Book of Abstracts. The 2002 International Conference on, June 16-19, 2002

Pages:234 - 234

[\[Abstract\]](#) [\[PDF Full-Text \(175 KB\)\]](#) **IEEE CNF**

2 ISE provides a new frontier for synthesis of complex engineering products and missions

Noor, A.K.; Venneri, S.L.;

Systems, Man, and Cybernetics, 1998. 1998 IEEE International Conference on, Volume: 3 , 11-14 Oct. 1998

Pages:2698 - 2703 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(1072 KB\)\]](#) **IEEE CNF**

3 ISE-intelligent synthesis environment for future aerospace systems

Noor, A.K.; Venneri, S.L.;

Aerospace Conference, 1998. Proceedings., IEEE , Volume: 2 , 21-28 March 1

Pages:467 - 486 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(2816 KB\)\]](#) **IEEE CNF**

4 The impact of organizational memory information systems: the case product information management systems

Scott, J.E.;

System Sciences, 1996., Proceedings of the Twenty-Ninth Hawaii International Conference on , Volume: 5 , 3-6 Jan. 1996

161 051,485

Pages:23 - 32 vol.5

[\[Abstract\]](#) [\[PDF Full-Text \(932 KB\)\]](#) [IEEE CNF](#)

**5 The integration of product data and workflow management systems
large scale engineering database application**

McClatchey, R.; Kovacs, Z.; Estrella, F.; Le Goff, J.-M.; Chevenier, G.; Baker, Lieunard, S.; Murray, S.; Le Flour, T.; Bazan, A.;
Database Engineering and Applications Symposium, 1998. Proceedings. IDEAS International , 8-10 July 1998

Pages:296 - 302

[\[Abstract\]](#) [\[PDF Full-Text \(60 KB\)\]](#) [IEEE CNF](#)

6 Information management and product description

Cundy, I.;
Alvey 'Design to Product' Demonstrator Project, IEE Colloquium on , 16 Mar 1998

Pages:3/1 - 3/3

[\[Abstract\]](#) [\[PDF Full-Text \(116 KB\)\]](#) [IEEE CNF](#)

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1 [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**
 Full text available: [pdf\(4.21 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

2 [Human-computer interface development: concepts and systems for its management](#)

H. Rex Hartson, Deborah Hix

March 1989 **ACM Computing Surveys (CSUR)**, Volume 21 Issue 1
 Full text available: [pdf\(7.97 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Human-computer interface management, from a computer science viewpoint, focuses on the process of developing quality human-computer interfaces, including their representation, design, implementation, execution, evaluation, and maintenance. This survey presents important concepts of interface management: dialogue independence, structural modeling, representation, interactive tools, rapid prototyping, development methodologies, and control structures. *Dialogue independence* is th ...

3 [Computing curricula 2001](#)

September 2001 **Journal on Educational Resources in Computing (JERIC)**
 Full text available: [pdf\(613.63 KB\)](#) [html\(2.78 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

4 [Technical reports](#)

SIGACT News Staff

January 1980 **ACM SIGACT News**, Volume 12 Issue 1

101 051,485

Full text available:  [pdf\(5.28 MB\)](#)

Additional Information: [full citation](#)

5 [IS '97: model curriculum and guidelines for undergraduate degree programs in information systems](#)

Gordon B. Davis, John T. Gorgone, J. Daniel Couger, David L. Feinstein, Herbert E. Longenecker
December 1997 **ACM SIGMIS Database , Guidelines for undergraduate degree programs on Model curriculum and guidelines for undergraduate degree programs in information systems**, Volume 28 Issue 1

Full text available:  [pdf\(7.24 MB\)](#) Additional Information: [full citation](#), [citations](#)

6 [Information technology governance by design: investigating hybrid configurations and integration mechanisms](#)

Ryan R. Peterson, Ramon O'Callaghan, Pieter M. A. Ribbers
December 2000 **Proceedings of the twenty first international conference on Information systems**

Full text available:  [pdf\(254.28 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: IS centralization, IS integration, IS performance, case study, financial services, organizational design

7 [Heterogeneous distributed database systems for production use](#)

Gomer Thomas, Glenn R. Thompson, Chin-Wan Chung, Edward Barkmeyer, Fred Carter, Marjorie Templeton, Stephen Fox, Berl Hartman
September 1990 **ACM Computing Surveys (CSUR)**, Volume 22 Issue 3

Full text available:  [pdf\(2.90 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

It is increasingly important for organizations to achieve additional coordination of diverse computerized operations. To do so, it is necessary to have database systems that can operate over a distributed network and can encompass a heterogeneous mix of computers, operating systems, communications links, and local database management systems. This paper outlines approaches to various aspects of heterogeneous distributed data management and describes the characteristics and architectures of ...

8 [Level II technical support in a distributed computing environment](#)

Tim Leehane
September 1996 **Proceedings of the 24th annual ACM SIGUCCS conference on User services**

Full text available:  [pdf\(5.73 MB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

9 [Curriculum 68: Recommendations for academic programs in computer science: a report of the ACM curriculum committee on computer science](#)

William F. Atchison, Samuel D. Conte, John W. Hamblen, Thomas E. Hull, Thomas A. Keenan, William B. Kehl, Edward J. McCluskey, Silvio O. Navarro, Werner C. Rheinboldt, Earl J. Schweppe, William Viavant, David M. Young

March 1968 **Communications of the ACM**, Volume 11 Issue 3

Full text available:  [pdf\(6.63 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#)

Keywords: computer science academic programs, computer science bibliographies, computer science courses, computer science curriculum, computer science education, computer science graduate programs, computer science undergraduate programs

10 An efficient and lightweight embedded Web server for Web-based network element management

Hong-Taek Ju, Mi-Joung Choi, James W. Hong

September 2000 **International Journal of Network Management**, Volume 10 Issue 5

Full text available:  [pdf\(428.26 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

An Embedded Web Server <par>EWS</par> is a Web server which runs on an embedded system with limited computing resources to serve embedded Web documents to a Web browser. By embedding a Web server into a network device, it is possible to provide a Web‐based management user interface, which are user‐friendly, inexpensive, cross‐platform, and network‐ready. This article explores the topic of an efficient and lightweight embedded Web server for Web‐based netw ...

11 Pen computing: a technology overview and a vision

André Meyer

July 1995 **ACM SIGCHI Bulletin**, Volume 27 Issue 3

Full text available:  [pdf\(5.14 MB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

This work gives an overview of a new technology that is attracting growing interest in public as well as in the computer industry itself. The visible difference from other technologies is in the use of a pen or pencil as the primary means of interaction between a user and a machine, picking up the familiar pen and paper interface metaphor. From this follows a set of consequences that will be analyzed and put into context with other emerging technologies and visions. Starting with a short historic ...

12 On designing intelligent hypertext systems for information management in software engineering

Pankaj K. Garg, Walt Scacchi

November 1987 **Proceeding of the ACM conference on Hypertext**

Full text available:  [pdf\(1.54 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Information management in large scale software engineering is a challenging problem. Hypertext systems are best suited for this purpose because of the diversity in information types that is permitted in the nodes of a hypertext. The integration of a hypertext system with software engineering tools results in a software hypertext system. We describe the design of such a system called DIF. Based on our experiences in using DIF, we recognized the need and the potential for developing a ...

13 Computer-based systems for cooperative work and group decision making

Kenneth L. Kraemer, John Leslie King

July 1988 **ACM Computing Surveys (CSUR)**, Volume 20 Issue 2

Full text available:  [pdf\(3.56 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Application of computer and communications technology to cooperative work and group decision making has grown out of three traditions: computer-based communications, computer-based information service provision, and computer-based decision support. This paper reviews the group decision support systems (GDSSs) that have been configured to meet the needs of groups at work, and evaluates the experience to date with such systems. Progress with GDSSs has proved to be slower than originally antic ...

14 The Numerical Control Information utility: Concepts and considerations

Gastone Chingari

January 1967 **Proceedings of the 1967 22nd national conference**

Full text available:  [pdf\(1.29 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The concept of Numerical Machine Tool Control has extensive applications to many metalworking-manufacturing processes. An entirely new industrial demand for computer processing services is emerging because of Numerical Control (N/C), primarily at this time by industries with a large engineering and metalworking base. The emergence, at the same time, of the Computer Utility poses some interesting questions concerning the use of publicly available computer power to support planning, programmi ...

15 Manufacturing resource planning on a PC local area network

H. Clark Kee, Roy L. Post

May 1986 **ACM SIGAPL APL Quote Quad , Proceedings of the international conference on APL**, Volume 16 Issue 4

Full text available:  [pdf\(1.47 MB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

This paper details a large APL programming project of 12 man years. An integrated software system structured on the principles of MRP (manufacturing resource planning) was implemented by a Bristol-Myers in house team for use in a new manufacturing facility. The system applies off-the-shelf technology in innovative ways, using STSC APL*PLUS/PC as the only programming language, to build a very sophisticated application on IBM/PCs fully sharing data in a secure environment via the N ...

16 Query evaluation techniques for large databases

Goetz Graefe

June 1993 **ACM Computing Surveys (CSUR)**, Volume 25 Issue 2

Full text available:  [pdf\(9.37 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Database management systems will continue to manage large data volumes. Thus, efficient algorithms for accessing and manipulating large sets and sequences will be required to provide acceptable performance. The advent of object-oriented and extensible database systems will not solve this problem. On the contrary, modern data models exacerbate the problem: In order to manipulate large sets of complex objects as efficiently as today's database systems manipulate simple records, query-processi ...

Keywords: complex query evaluation plans, dynamic query evaluation plans, extensible database systems, iterators, object-oriented database systems, operator model of parallelization, parallel algorithms, relational database systems, set-matching algorithms, sort-hash duality

17 Geographic Data Processing

George Nagy, Sharad Wagle

June 1979 **ACM Computing Surveys (CSUR)**, Volume 11 Issue 2

Full text available:  [pdf\(4.20 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

18 Industry track papers and presentations: product lines: Integrating hundred's of products through one architecture: the industrial IT architecture

Lars G. Brattahl, Robert van der Geest, Holger Hofmann, Edgar Jellum, Zbigniew Korendo, Robert Martinez, Michal Orkisz, Christian Zeidler, Johan S Andersson

May 2002 **Proceedings of the 24th International Conference on Software Engineering**

Full text available:  [pdf\(1.24 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

During the last few years, software product line engineering has gained significant interest as a way for creating software products faster and cheaper. But what architecture is needed to integrate huge amounts of products, from different product lines? This paper describes such an architecture and its support processes and tools. Through cases, it is illustrated how the architecture is used to integrate new --- and old --- products in such diverse integration projects as vessel motion control, ...

19 A general, yet useful theory of information systems

Steven Alter

March 1999 **Communications of the AIS**

Full text available:  [pdf\(190.54 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

20 SCMP.com: strategic repositioning of a newspaper

Ali Farhoomand, Eva Kwan

December 2000 **Proceedings of the twenty first international conference on Information systems**

Full text available:  [pdf\(361.56 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

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